

INDEX TO SUBJECTS.

All new genera, new species and new names are printed in Small Capital LETTERS

- Abdominal pleurite of Coleoptera, 291
- Abutilon, gall on, 70
- ADRANEOTHRIPS ABDOMINALIS, 55
- ADRANEOTHRIPS, 54
- ADRANEOTHRIPS ALTERNATUS, 55
- ADRANEOTHRIPS BELLUS, 254
- ADRANEOTHRIPS FUSCICOLLIS, 56
- ADRANEOTHRIPS SIMULATOR, 54
- ADRANEOTHRIPS TIBIALIS, 54
- ADRANEOTHRIPS UNIFORMIS, 56
- Aellopos tantalus*, 318
- Aellopos titans*, 318
- Amphibolips confluens*, 313
- ANAPHOTHrips BICINCTUS, 50
- Anax, junius, vision and chemical sense in larvæ, 315
- Ant fauna of oak galls, 313
- Ant mounds, growth, 75
- Ants, tropical, weight of vegetation transported by, 227
- Antennæ of Geometridæ, 106
- Argynnис aphrodite*, 294
- Argynnис atlantis*, 294
- Argynnис cybelle*, 294
- ASTROTHRIPS ANGULATUS, 50
- ASTHROTHRIPS CONSTRICTUS, 51
- Atta columbica*, 227
- BARYTHRIPS HETEROCERUS, 66
- Barythrips sculpticauda*, 67
- Basilarchia arthemis*, 295
- Benacus griseus*, 88
- Birds feeding on European corn borer, 30
- BRADYTHRIPS
- BRADYTHRIPS HESPERUS, 68
- Bremus, mimics of, 190
- Bremus pennsylvanicus*, 190
- Bulla of wing membrane, 17
- Butterflies from Massachusetts, 293
- Cambridge Entomological Club, proceedings, 319
- Cecidias, 70
- CERATIA DENTICORNIS, 246
- CERATIA DOHERTYI, 247
- Ceratia fovata*, 247
- Ceratia jacobyi*, 246
- Ceratia martia*, 246
- Cercopidæ from Cuba, 95
- Chonocephalus ecitophilus*, 312
- Chonocephalus jamaicensis*, 312
- CHAETOPSIS ANGUSTATA, 302
- CHAETOPSIS BROOKSI, 301
- Chemical sense in Anax larvæ, 315
- Chickadee, feeding on European corn borer, 30
- Chrysophanus thoë*, 296, 298
- CHTHONEIS AENEIPENNIS, 263
- Chthonеis albicollis*, 259
- Chthonеis apicalis*, 259
- Chthonеis apicipennis*, 259
- CHTHONEIS BOLIVIENSIS, 262
- Chthonеis dilaticornis*, 260
- CHTHONEIS DONCHIERI, 263
- Chthonеis foveicollis*, 261
- Chthonеis furcatus*, 260
- CHTHONEIS GROSSA, 260
- Chthonеis jamsoni*, 260
- CHTHONEIS MARGINIPENNIS, 260
- CHTHONEIS ROSENBERGI, 262
- CHTHONEIS RUFULUM, 262
- CHTHONEIS STUARTI, 261
- CLASTOPTERA CUBA, 105
- CLASTOPTERA FLAVIDORSA, 104
- Clastoptera stolida*, 95, 104
- Clastoptera undulata*, 95, 103
- Coleoptera, second abdominal pleurite of, 291
- Coptotermes niger*, 312
- Copulatory tuft of Meskea, 70
- COREMOTHRIPS, 52
- COREMOTHRIPS PALLIDUS, 52
- Corn borer, European, destroyed by birds, 30

- Criocerus binotata*, 253
Criocerus borneensis, 253
Criocerus dromedarius, 253
Criocerus impressa, 253
Criocerus laosensis, 253
Criocerus latefasciata, 253
Criocerus malaccana, 253
Criocerus rougeri, 253
Criocerus seminigra, 253
Criocerus unipunctata, 253
CRYPTOTHRIPS ACUTICORNIS, 65
Cryptothrips carus, 64
CRYPTOTHRIPS CONNATICORNIS, 65
CYRYPTOTHRIPS GRADATUS, 64
Cryptothrips junctus, 66
 Cuba, Cercopidae from, 95
Cynips confluens, 313

Dasyllis thoracica, 190
 Dasyoptera, 102
Dasyoptera variegata, 102
Diabrotica cyaneomaculata, 255
 Dihammatus, 130
Dihammatus abditus, 137
 Diptera, new from Florida and North Carolina, 299
Dohrniphora bequaerti, 313
Dolichopus appendiculatus, 184
DOLICHOPUS MACULITARSIS, 184
 Downy woodpecker feeding on European corn borer, 30
 Drilidae, development, 145
Drilus flavescens, development, 146
Dryobates pubescens, feeding on European corn borer, 30
DULITICOLA, 133
DULITICOLA PARADOXA, 134

Ecitomyia, 303
ECITOMYIA MANNI, 304
ECITOMYIA SPINOSA, 305, 309
Ecitomyia wheeleri, 303
Eciton caecum, 303
Eciton hamatum, guests of, 166
 Ecitophiles, 166, 303
 citophora, 304

Ecitophora aequalis, 308
Ecitophora bruchi, 308
Ecitophora collegiana, 308
Ecitophora comes, 308
Ecitophora parva, 308
ECITOPHORA COSTARICENSESIS, 307
Ecituncula, 308
ECITUNCULA SETOSA, 308
Emphor bombiformis, habits, 278
ENOCOMIA MAESTRALIS, 101
 Entomological Congress, international 117
 Eocene, fossil fly of, 229
Eophlebomyia, 229
EOPHLÉBOMYIIDAE, 230
Epidemia expixanthe, 297
Epiperipatus biolleyi, var. *betheli*, 165
Epiperipatus brasiliensis, 162
Epiperipatus edwardsii, 161
Epiperipatus imthurni, 162, 164
Epiperipatus isthmicola, 164
 Euhadra, Phorid bred from, 313
Eurema enterpe, 298
 European corn borer, winter mortality, 30
Eurymus eurytheme, 297
Eurymus philodice, 297
Eurypelma hentzii, moulting of, 1
EURYTHRIPS COLLARIS, 58
EURYTHRIPS GRACILICORNIS
Euxenister asperatus, 174
Euxenister caroli, 176
EUXENISTER WHEELERI, 176
Exora basale, 255
Exora bellum, 258
Exora buchleyi, 257
EXORA CYANEOMACULATUM, 255
EXORA GUTTATUM, 256
EXORA MACULATUM, 259
EXORA OCTOGUTTATUM, 258
EXORA QUADRIPUSTULATUM, 256
EXORA ROSENBERGI, 257
EXORA SIMILE, 258
Feniseca tarquinius, 295
 Feronia, 270

- Food habits of insects, 92
Formica exsectoides, growth of mounds, International Entomological Congress, 75
FRANKLINIELLA NIGRICANDA, 50
FRANKLINIELLA PARVULA, 49
Galls of Lepidoptera, 70
GAURAX DORRI
Geometridæ, antennæ, 106
Glossina, 230
Growth of ant mounds, 75
Gymnopternus, 186
GYMNOPTERNUS CONVERGENS, 187
GYMNOPTERNUS FLAVITARSIS, 187
Gymnopternus flavus, 188
GYMNOPTERNUS MACULIVENTRIS, 188
GYMNOPTERNUS ROBUSTUS, 189

HAMOPHTHIRIUS, 283
HAMOPHTHIRIUS GALEOPITHECI, 283
HAPLOSONYX FRENBI, 245
HAPLOSONYX HUMERALIS, 245
HAPLOSONYX MELANOCEPHALUM, 246
HAPLOSONYX MONTICOLA, 245
Haplothrips bellus, 54
Haplothrips tibialis, 54
Harpagoxenus americanus, 314
Hemicrepidius, 291
HERCOSTOMUS PURPURATUS, 185
Hercostomus, 186
Hercostomus flavigornis, 187
Hercostomus metatarsalis, 187
Hercostomus ornatus, 187
Hercostomus unicolor, 187
Hercostomus vetius, 187
Hibiscus bee, 278
HINDSIANA RHOPALOCERA, 57
Hippoboscidae, notes on, 265
Homalisus frontes, 149
Hoplosoma quadripustulatum, 246
HYDROPHORUS CRIDDLEI, 181
HYDROPHORUS FULVIDORSUM, 182
Hydrophorus intentus, 183
Hypermetamorphosis, 150
Insects of New Jersey Coast, 231
Iphidicles ajax, 297
Junonia cænia, 295
Lærtias philenor, 297
Lampyridæ, larvæ, 119
Lampyridæ, wingless female, 119
Lampyris noctiluca, 122
Lasius niger americanus, 314
Latrodectes mactans, web of, 3
Leocomia, 97
LEOCOMIA BALLONI, 98
LEOCOMIA FULVA, 100
LEOCOMIA GRISEA, 97
LEOCOMIA MAESTRALIA, 99
LEOCOMIA NAGUA, 98
Leocomia pilea, 100
Lepidopterous galls, 70
LEPTONIA HOSPES, 167
LEPTONIA PICTA, 168
Leptothorax curvispinosus, 314
Leptothorax curvispinosus ambiguus, 314
Lepyronia angulifera, 95
LEPYRONIA ROBUSTA, 103
Lethocerus americanus, 88
Leucospis affinis, 29
Leucospis bicincta, 29
LEUCOSPIS BIRKMANI, 23
Leucospis cayennensis, 25
Leucospis distinguenda, 25
Leucospis japonica, 28, 29
Leucospis macrodon, 28
LEUCOSPIS MALABARENSIS, 27
LEUCOSPIS MUIRI, 25
Leucospis mysolica, 27
Leucospis quettaensis, 28
Leucospis viridissima, 28
LISSOTHrips BREVICEPS, 59
Lissothrips pallipes, 60
Luminosity of lampyrid larvæ, 132
LUPERODES BRUCHII, 251
LUPERODES CYANEOPLAGIATA, 252

- Luperodes flaviollis*, 253
LUPERODES FLAVIPENNIS, 249
LUPERODES HEBARDI, 249
LUPERODES KLAGESI, 252
LUPERODES MACULICOLLIS, 252
LUPERODES MAPIRII, 248
LUPERODES PILOSUS, 249
LUPERODES PUSTULATUS, 248
LUPERODES SUTURALIS, 250
Luperodes rubra, 253
Luperodes rufescens, 253
LUPERODES VITTATUS, 251
LUPERODES WEISEI, 253
Luperodes javanensis, 253
Luperus fucatus, 260
LUPERUS BENIENSIS, 254
LUPERUS BLUMENENSIS, 254
LUPERUS MASONI, 253
LUPERUS PALLIDUS, 254
Lycidae, development, 145
Lycostomus gestroi, 129
Lynchia simillima, 275
Lynchia, 266
Lynchia penelopes, 265, 270
Lynchia pusilla, 275
Lyropaeus biguttatus, 123
Macrocerata clara, 299
MACROCERA FLORIDANA, 299
Macroperipatus geayi, 161
MACROPHTHALMOTHIRPS WILLIAMSII, 63
MALACOSOMA BASALE, 255
MALACOSOMA BELLUM, 258
MALACOSOMA BUCKLEYI, 257
MALACOSOMA CYANEMACULATUM, 255
MALACOSOMA GUTTATUM, 256
MALACOSOMA MACULATUM, 259
MALACOSOMA OCTOGUTTATUM, 258
MALACOSOMA QUADRIPUSTULATUM, 256
MALACOSOMA ROSENBERGI, 257
MALACOSOMA SIMILE, 258
Malformations in insects, 288
Mallophora bomboides, 191
MALLOPHORA CHRYSOMELA, 191, 193
Mallophora fautrix, 193
Mallophora fulva, 190
Mallophora nigra, 191
Mallophora orcina, 190, 191
MALLOPHORA REX, 191, 192
Malvaviscus, gall on, 70
Mantispa brunnea, 318
Mantispa interrupta, 318
Massachusetts, butterflies from, 293
Medeterus emarginatus, 180
Medeterus minimus, 180
Melanophus differentialis, 285
MEROTHRIPS COGNATUS, 53
Merothrips fusciceps, 53
Merothrips williamsi, 54
Meskeia dyspteraria, habits, 70
MESORHAGA PALLIDICORNIS, 178
Microlynchia falcinelli, 275
Microlynchia pusilla, 275
Migration of Odonata, 113
MIXOGASTER DELONGI
Monecphora bicinta, 95
Monecphora fraterna, 95
MONECPHORA FLAVIFASCIA, 96
Monecphora ignipecta, 96
Monecphora saccharina, 96
Monolepta flavicollis, 253
Monolepta rubra, 253
Moultung of tarantula, 1
Myrmecophiles, 166, 303
Myrmica punctiventris, 314
Neotenic females of Lampyridæ, 128
Neotropical Onycophora, 159
NEUROGONIA MINIMA, 179
Neurogonia nigricornis, 179
Neurothrips magnofemoralis, 63
NEUROTHRIPS WILLIAMSII, 63
New Jersey, insects and plants of coast, 231
New York State list of insects, 118
Nycterimyia capensis, 18
Nycterimyia dohrni, 18
Nycterimyia fenestra-clathrata, 18
Nycterimyia fenestra-ornata, 18
Nycterimyia horni, 18
Nycterimyia kerteszi, 18

- Nyctenimyia papuana*, 18
Nygma ta of wing membrane, 17
- Oak galls, ants from, 313
 Ocelli, supernumerary, 285
 Odonata, migration, 113
 OIDES NIASENSIS, 244
Olfersia, 270
Olfersia exornata, 273
Olfersia falcinelli, 275
Olfersia garzettæ
Olfersia lividicolor, 265, 272, 274, 276
Olfersia maura, 265, 271, 273
Olfersia rubipes, 275
Olfersia spinifera, 275
 Onycophora, Neotropical, 159
Ornithomyia brunnea, 271
Ornithoponus, 270
Ornithoponus obliquinerivs, 271
Ornithoponus rufiventris, 271
Oroperipatus corradoi, 159
Oroperipatus eiseni, 159
- Panurgidae, notes on, 113
Paraclius flavigornis, 187
Paraclius ornatus, 187
 Pectinate antennæ of geometridæ, 106
Penthesites atricapillus feeding on European corn borer, 30
Perdita obscurata, 113
Peripatus betheli, 165
Peripatus biolleyi, 165
Peripatus brasiliensis, 162
PERIPATUS BRASILIENSIS, VAR. VAGANS
Peripatus danicus, 161
Peripatus dominicæ, 162
Peripatus edwardsii, 161, 164
Peripatus geayi, 160
Peripatus imthurni, 164
Peripatus isthmicola, 164
Peripatus torquatus, 160
 Periplaneta americana, external anatomy of, 195
 "Perty's" larvæ, 119
Phengodes 122, 147
Phoridæ, myrmecophilous, 303
- Phosphænus*, 145
Phyllobrotica ornata, 246
 Plants of New Jersey Coast, 231
PLESOTHRIPS AMBLYCAUDA, 53
PLECTOTHRIPS IMPATIENS, 61
PLESOTHRIPS OCTARTHROUS, 52
Pristothrips, 61
PRISTOTHRIPS AAPTUS, 62
PRISTOTHRIPS ALBIPUNCTATUS, 62
PROSOECA BECHERI, 7
PROSOECA RHODESIENSIS, 4
Prothetely, 150
PSEUDOLYNCHIA, 271
Pseudolynchia brunnea 271, 276
Pseudolynchia capensis, 272
Pseudolynchia exornata, 273
Pseudolynchia garzettæ, 273
Pseudolynchia lividicolor, 274
Pseudolynchia maura, 273, 276
Pseudolynchia rufipes, 275
Pseudolynchia simillima, 275
PSILOCEPHALA DAVISI, 300
Psilocephala frontalis, 301
Psiocphala haemorrhoidalis, 301
Psilocephala notata, 300
PSILOCEPHALA SUBNOTATA, 299
PULICIPHORA MYRMECOPHILA, 310
Puliciphora pusillima, 312
PYGOTHrips CONIFER, 67
Pygothrips metulicauda, 67
PYGOTHrips NIGRICAUDA, 67
Pyrausta nubilalis, 30
- Ratio of food habits, 92
 Roach, external anatomy of, 195
- SCELOLYPENUS ROSENBERGI**, 264
SCELOLYPENUS TENUIMARGINATA, 264
Schizoneura tessellata, 296
Scelothrips, 52
Solenopsis sevissima picea, 303
 Snail, Phorid bred from, 313
STENOBAPIPTERON ARNOLDI, 8
STENOBAPIPTERON DIFFICILE, 10
Stenobasipteron gracile, 14
Stenobasipteron, key to species, 17

- STEPHANOTHRIPS OCCIDENTALIS, 69
 STOMATOTHRIPS SEPTENARIUS, 48
 Supernumerary ocelli, 285
Sympetrum corruptum, 298
SYNODITES BIFURCATUS, 170
Synodites schmidti, 171
Tapinomma sessile, 314
 Tarantula, moulting of, 1
 Telephoridae, development, 145
Tenthredella simirubra, 287
 Teratological specimen of Melanoplus,
 285
 Tetradonia, 170
 Thysanoptera, new neotropical, 48
Tomaspis fraterna, 95
Triaplatys denticornis, 246
Triaplatys jacobyi, 246
Triaplatys martia, 246
TRIAPLATYS DOHERTYI, 247
Triaplatys foveata, 247
 Trichophilopterus, 284
TRICHOTHRIPS CALCARATUS, 57
Trichothrips flavicauda, 58
 "Trilobite" larvæ, 119
Tripopitys sericeus, 291
TROGLOSTERNUS DASYPUS, 173
TROGLOSTERNUS ECITONIS, 172
TYLOIS BARBERI, 176
Tylois mirificus, 177
Tylois trilunatus, 177
 Urothrips, 68
Volucella bombylans, varieties, 114
Volucella americana, 116
Volucella arctica, 116
Volucella erecta, 114, 116
Volucella facialis, 114
Volucella lateralis, 115
Volucella plumata, 114
Volucella rufomaculata, 115
Volucella sanguinea, 116
Vanessa cardui, 294
Vanessa virginensis, 294
 Vision in Anax larvæ, 315
 Water bugs, notes on 88
WILLIAMSIELLA
WILLIAMSIELLA BICOLORIPES, 60
XENOCEPHALUS CLYPEATUS, 166
XENOCEPHALUS PANAMENSIS, 166
Zaperdita maura, 113
ZYGOTHRIPS SPECIOSUS, 56
Zyras ecitonis, 169
Zyras mimulus, 170